



June 17, 2009

Recycling & Recovery

EPA Region 10 Investigations and Engineering Unit (OEA-95) 1200 Sixth Avenue Seattle WA 98101 Attn: Dan Duncan

Marine & Industrial Cleaning

RE: Emerald Services, Inc.

Recycled Products

Summary Report - PCB Contamination and De-Contamination

Purcell Equipment

Waste Treatment & Disposal Dear Mr. Duncan;

Automotive Fluids Management This report is being provided in order to summarize the management of PCB-contaminated used oil received by Emerald Services, Inc.'s Seattle facility from Purcell Equipment. This information is supplemental to that provided in the Unmanifested Waste Report (Report) dated April 28, 2009.

Construction Services The Emerald facility located at 1500 Airport Way South in Seattle, Washington (Emerald), received a shipment of used oil contaminated with polychlorinated biphenyls (PCBs) on April 2, 2009. The contamination was discovered upon routine PCB testing of bulked oil at the Emerald facility.

Transportation Services

Testing by the Emerald laboratory showed PCB contamination in an Emerald storage tank of consolidated used oil at 5.8ppm. By analyzing retain samples from each shipment consolidated into the tank, Emerald was able to trace the PCB contamination to a shipment from Purcell Equipment, 17227 Hwy 9, Snohomish WA 98296. The PCB result for the retain sample from the Purcell Equipment portion of the shipment was reported as 53ppm PCB-1242 by Test America, Inc. (see Test America Report for Job Number 580-13276-1). Testing of the remaining contents of the Purcell Equipment tanks and containers confirmed that PCB contamination from the same arochlor was present at that location (see Test America Report for Job Number 580-13331-1).

Vacuum Truck Services

Portable Storage

USEPA REG 0001034 Once transportation and proper disposal were arranged, Emerald pumped the contaminated used oil out of the storage tank to a tanker truck. Contaminated equipment was washed with water and the storage tank and transport tank were decontaminated with diesel per the enclosed PCB Tank Decontamination and Sampling Plan. The used oil and rinseates was then transported as TSCA regulated waste to Clean Harbors on manifest #002570965FLE. All decontamination solids were shipped as TSCA regulated waste on manifest #001415036JJK to Clean Harbors. A copy of each manifest used for shipment is attached.

If you have any questions regarding this report, or need additional information, please feel free to contact me at the numbers below.

Sincerely,

Sheila Smith, Environmental Coordinator

Emerald Services, Inc. (206) 832-3204 (Office)

(253) 370-7912 (Cell)

(206) 832-3304 (fax)

sheilas@emeraldnw.com

cc: Facility Operating Record

Enclosures: Test America Analytical Reports, Job Numbers 580-13276-1 and 580-

13331-1.

Emerald PCB Tank Decontamination and Sample Plan

Emerald PCB Swabs Analysis Report

Manifest #002570965FLE and #001415036JJK with Certificate of

Treatment/Disposal (copy)



ANALYTICAL REPORT

Job Number: 580-13276-1

Job Description: PCB's in oil/Purcell Equip

For:
Emerald Services
9010 E Marginal Way S
Suite 200
Seattle, WA 98108

Attention: Leslie Embrey

Pamela RJohnson

Approved for release. Pam R Johnson Project Mgmt. Assistant 4/9/2009 2:27 PM

Designee for
Ivy J Bolm
Project Manager I
ivy.bolm@testamericainc.com
04/09/2009

cc: Jon Skinner

TestAmerica Tacoma is a part of TestAmerica Laboratories, Inc.

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This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Tacoma 5755 8th Street East, Tacoma, WA 98424 Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



METHOD SUMMARY

Client: Emerald Services Job Number: 580-13276-1

Description	Lab Location	Method	Preparation Method
Matrix: Waste			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL TAC	SW846 8082	
Waste Dilution	TAL TAC		SW846 3580A

Lab References:

TAL TAC = TestAmerica Tacoma

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Emerald Services Job Number: 580-13276-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-13276-1	090406-0 B-8/Purcell Equip	Waste	04/06/2009 0000	04/07/2009 1255

Analytical Data

Client: Emerald Services Job Number: 580-13276-1

Client Sample ID: 090406-0 B-8/Purcell Equip

 Lab Sample ID:
 580-13276-1
 Date Sampled:
 04/06/2009 0000

 Client Matrix:
 Waste
 Date Received:
 04/07/2009 1255

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:8082Analysis Batch: 580-42335Instrument ID:TAC042Preparation:3580APrep Batch: 580-42297Lab File ID:CCL010870.D

 Dilution:
 1.0
 Initial Weight/Volume:
 0.2123 g

 Date Analyzed:
 04/09/2009 0101
 Final Weight/Volume:
 10 mL

 Date Prepared:
 04/08/2009 0751
 Injection Volume:
 1.0 uL

ate Prepared: 04/08/2009 0751 Injection Volume: 1.0
Column ID: PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL PCB-1016 ND 0.47 PCB-1221 ND 0.47 PCB-1232 ND 0.47 PCB-1248 ND 0.47 PCB-1254 ND 0.47 PCB-1260 ND 0.47 Surrogate %Rec Acceptance Limits

 Surrogate
 %Rec
 Acceptance Lir

 Tetrachloro-m-xylene
 101
 45 - 155

 DCB Decachlorobiphenyl
 102
 60 - 125

Analytical Data

Client: Emerald Services Job Number: 580-13276-1

Client Sample ID: 090406-0 B-8/Purcell Equip

 Lab Sample ID:
 580-13276-1
 Date Sampled:
 04/06/2009 0000

 Client Matrix:
 Waste
 Date Received:
 04/07/2009 1255

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Column ID:

PRIMARY

Method: 8082 Analysis Batch: 580-42340 Instrument ID: TAC042

Preparation: 3580A Prep Batch: 580-42297 Lab File ID: CCL010886.D

Dilution: 5.0 Initial Weight/Volume: 0.2123 g

 Date Analyzed:
 04/09/2009 0959
 Final Weight/Volume:
 10 mL

 Date Prepared:
 04/08/2009 0751
 Injection Volume:
 1.0 uL

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL

PCB-1242 53 2.4

Quality Control Results

Client: Emerald Services Job Number: 580-13276-1

Method Blank - Batch: 580-42297

Method: 8082 Preparation: 3580A

Lab Sample ID: MB 580-42297/1-A

Client Matrix: Waste Dilution: 1.0

Date Analyzed: 04/09/2009 0030 Date Prepared: 04/08/2009 0751 Analysis Batch: 580-42335 Prep Batch: 580-42297

Units: mg/Kg

Instrument ID: TAC042
Lab File ID: CCL010868.D
Initial Weight/Volume: .2 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL

Column ID: PRIMARY

Analyte	Result	Qual	RL
PCB-1016	ND		0.50
PCB-1221	ND		0.50
PCB-1232	ND		0.50
PCB-1242	ND		0.50
PCB-1248	ND		0.50
PCB-1254	ND		0.50
PCB-1260	ND		0.50
Surrogate	% Rec	Acceptance Limits	
Tetrachloro-m-xylene	89	45 - 155	
DCB Decachlorobiphenyl	102	60 - 125	

Lab Control Spike - Batch: 580-42297

Method: 8082 Preparation: 3580A

Lab Sample ID: LCS 580-42297/2-A

Client Matrix: Waste Dilution: 1.0

Date Analyzed: 04/09/2009 0045 Date Prepared: 04/08/2009 0751 Analysis Batch: 580-42335 Prep Batch: 580-42297

Units: mg/Kg

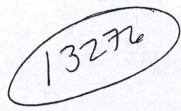
Instrument ID: TAC042
Lab File ID: CCL010869.D
Initial Weight/Volume: .2 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL

Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	5.00	4.25	85	40 - 140	
PCB-1260	5.00	4.86	97	60 - 130	
Surrogate	% R	ec	Acc	ceptance Limits	
Tetrachloro-m-xylene	95			45 - 155	
DCB Decachlorobiphenyl	110	3		60 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.





PO#ER-15494

CHAIN OF CUSTODY / REQUEST FOR LABORATORY ANALYSIS

GENERATOR CONTACT: Les	Control of the Contro				REQUESTE	D		right were the				
GENERATOR PHONE NO: 200	1-832 - 31	093		CONFIRMING ANALYSIS ONLY: INFORMATION ATTACHED	CHARACTERIZE FOR DISPOSAL	IGNITABILITY CORROSIVITY REACTIVITY D001-D003	D-LISTED METALS BY TCLP D-004-D011	D-LISTED PESTICIDES AND HERBISIDES BY TCI.P	D-LISTED ORGANICS D-018-D043	F-LISTED ORGANICS F001-F005	OTHER S (PLEASE SPECIFY)	
ESI GENERATOR SAMPLE ID	PROCESS GENERATING WASTE		# OF SAMPLES EACH	ONE SAMPLE REQUESTED			TWO SAMPLE	ES REQUIRED				
090406-08-8	Purcell	Equip.	1							A	PCB'S in oi	l
	s something											
										日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日	24 h	
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SIGNATURE		PRINTED NAME			COMPAN	YNAME			TIME / DATE	SPECIAL	L INSTRUCTIONS / COMMENTS	
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RECEIVED BY A.D. Make	hard	A.D.ME	pila	20096	FN		1 2	7	9/1			ida y
RELINQUISHED BY A MALE	h f	and me	2/1	747			1 Sept	an ces	4/0/			
RECEIVED BY	long	VIO	WCAR.	10.7	I.M.	ekska.	Jek	vices	19/9			
RELINQUISHED BY		Klre	s)ey		12	TA TA	Cons		4/76	9		
										Territor.		

Login Sample Receipt Check List

Client: Emerald Services

Job Number: 580-13276-1

List Source: TestAmerica Tacoma

Login Number: 13276 Creator: Harding, Jessica

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Hand delivered.
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



ANALYTICAL REPORT

Job Number: 580-13331-1

Job Description: Purcell Equipment

For: Emerald Services 9010 E Marginal Way S Suite 200 Seattle, WA 98108

Attention: Leslie Embrey

Juy J. Boen

Approved for release.

Ivy J Bolm

Project Manager I

Ivy J Bolm
Project Manager I
ivy.bolm@testamericainc.com
04/14/2009

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TestAmerica Laboratories, Inc.

TestAmerica Tacoma 5755 8th Street East, Tacoma, WA 98424 Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



Job Narrative 580-J13331-1

GC Semi VOA

Method(s) 8082:

Due to the level of dilution required for samples 13331 - 1 & 13331 - 2, surrogate recoveries should be considered as estimates and are flagged "X" and "D".

Silica Gel cleanup was performed on extraction batch 42476 in preparation for analysis by 8082.

METHOD SUMMARY

Client: Emerald Services Job Number: 580-13331-1

Description	Lab Location	Method Prepara	tion Method
Matrix: Waste	The second second		
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL TAC	SW846 8082	
Waste Dilution	TAL TAC	SW846 3	580A

Lab References:

TAL TAC = TestAmerica Tacoma

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Emerald Services Job Number: 580-13331-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-13331-1	07850 - Drums	Waste	04/08/2009 0000	04/13/2009 1245
580-13331-2	07850 - Tanks	Waste	04/08/2009 0000	04/13/2009 1245

Analytical Data

Job Number: 580-13331-1

Client Sample ID:

Client: Emerald Services

07850 - Drums

Lab Sample ID:

580-13331-1

Client Matrix:

Waste

Date Sampled:

04/08/2009 0000

Date Received: 04/13/2009 1245

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:

8082

Analysis Batch: 580-42492

Instrument ID:

TAC042

Preparation:

3580A

Prep Batch: 580-42476

Lab File ID:

CCL010978.D

Dilution:

Date Prepared:

100

Initial Weight/Volume:

0.2086 g

Date Analyzed:

Final Weight/Volume:

10 mL

04/14/2009 1154 04/13/2009 1524

Injection Volume:

1.0 uL

Column ID:

PRIMARY

Analyte	DryWt Corrected: N Result (mg/Kg)	Qualifier	RL
PCB-1016	ND		48
PCB-1221	ND		48
PCB-1232	ND		48
PCB-1242	65		48
PCB-1248	ND		48
PCB-1254	ND		48
PCB-1260	ND		48
Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	101		45 - 155
DCB Decachlorobiphenyl	137	X D	60 - 125

Analytical Data

Client: Emerald Services Job Number: 580-13331-1

Client Sample ID: 07850 - Tanks

Lab Sample ID: 580-13331-2 Date Sampled: 04/08/2009 0000 Client Matrix: Waste Date Received: 04/13/2009 1245

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082 Analysis Batch: 580-42492 Instrument ID: TAC042

Preparation: 3580A Prep Batch: 580-42476 Lab File ID: CCL010979.D Dilution: 100 Initial Weight/Volume: 0.2032 g

Dilution: 100 Initial Weight/Volume: 0.2032 g
Date Analyzed: 04/14/2009 1209 Final Weight/Volume: 10 mL

Date Prepared: 04/13/2009 1524 Injection Volume: 1.0 uL Column ID: PRIMARY

Analyte DryWt Corrected: N Result (mg/Kg) Qualifier RL PCB-1016 ND 49 PCB-1221 ND 49 PCB-1232 ND 49 PCB-1242 64 49 PCB-1248 ND 49 PCB-1254 ND 49 PCB-1260 ND 49

 Surrogate
 %Rec
 Acceptance Limits

 Tetrachloro-m-xylene
 112
 45 - 155

 DCB Decachlorobiphenyl
 131
 X D
 60 - 125

DATA REPORTING QUALIFIERS

Client: Emerald Services Job Number: 580-13331-1

Lab Section	Qualifier	Description	
GC Semi VOA			
	X	Surrogate exceeds the control limits	
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.	

QUALITY CONTROL RESULTS

Quality Control Results

Job Number: 580-13331-1

PRIMARY

Method Blank - Batch: 580-42476

Client: Emerald Services

Method: 8082 Preparation: 3580A

Column ID:

Lab Sample ID: MB 580-42476/1-A

Client Matrix: Waste Dilution:

1.0

Date Analyzed: 04/14/2009 1123 Date Prepared: 04/13/2009 1524 Analysis Batch: 580-42492 Prep Batch: 580-42476

Units: mg/Kg

Instrument ID: TAC042 Lab File ID: CCL010973.D Initial Weight/Volume: 0.2 g Final Weight/Volume: 10 mL Injection Volume: 1.0 uL

RL Result Qual Analyte 0.50 ND PCB-1016 0.50 ND PCB-1221 ND 0.50 PCB-1232 ND 0.50 PCB-1242 0.50 PCB-1248 ND 0.50 ND PCB-1254 ND 0.50 PCB-1260 % Rec Acceptance Limits Surrogate

85 45 - 155 Tetrachloro-m-xylene 60 - 125 106 DCB Decachlorobiphenyl

Lab Control Spike - Batch: 580-42476

Method: 8082 Preparation: 3580A

Column ID:

Lab Sample ID: LCS 580-42476/2-A

Client Matrix: Waste Dilution:

1.0

Date Analyzed: 04/14/2009 1138 Date Prepared: 04/13/2009 1524 Analysis Batch: 580-42492 Prep Batch: 580-42476

Units: mg/Kg

Instrument ID: TAC042 Lab File ID: CCL010974.D Initial Weight/Volume: 0.2 g Final Weight/Volume: 10 mL Injection Volume: 1.0 uL

PRIMARY

Qual

% Rec. Limit Analyte Spike Amount Result 40 - 140 90 PCB-1016 5.00 4.48 5.00 100 60 - 130 PCB-1260 5.00 % Rec Acceptance Limits Surrogate

45 - 155 94 Tetrachloro-m-xylene 60 - 125 109 DCB Decachlorobiphenyl

CHAIN OF CUSTODY/REQUEST FOR LABORATORY ANALYSIS Nº 07850 TO: Test America Labs 9010 E. Marginal Way South, #200 Seattle, Washington 98108 (206) 832-3000 · Fax (206) 832-3030-PETROLEUM / AUTOMOTIVE INDUSTRIAL / TACOMA FIELD SERVICES www.emeraldnw.com **GENERATOR STATUS:** CHECK HERE IF CUSTOMER IS NEW PRICING NEEDED: Y N #ER-15528 CHLOR-D-TEK: GENERATOR CONTACT: AIRPORT WAY PH & METAL GENERATOR PHONE NO: EMERALD CONTACT: Ros Vartes CDT PCB /HYDROCHLOR PH METALS VERIFICATION PROFILE OTHER (PLEASE SPECIFY) **GENERATOR SAMPLE ID#** WASTE DESCRIPTION 07850-Drums ·oil 07850 - TANKS OIL SIGNATURE DATE SIGNATURE PRINT NAME RELINQUISHED BY michael Shacker RELINQUISHE DATE RECEIVED BY RECEIVED BY RELINQUISHED BY RECEIVED BY RELINQUISHED BY RECEIVED BY RELINQUISHED BY RECEIVED BY RELINQUISHED BY RECEIVED BY RECEIVED BY RELINQUISHED BY RECEIVED BY RECEIVED BY

Login Sample Receipt Check List

Client: Emerald Services Job Number: 580-13331-1

Login Number: 13331 Creator: Harding, Jessica

List Number: 1

List Source: TestAmerica Tacoma

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or ampered with.	True	
Samples were received on ice.	False	Hand delivered.
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and he COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
/OA sample vials do not have headspace or bubble is <6mm (1/4") in liameter.	N/A	
f necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

PCB TANK DECONTAMINATION AND SAMPLE PLAN

This PCB Tank Decontamination and Sample Plan (Plan) outlines the steps to be taken when decontaminating a tank that has contained TSCA contaminated oil. It may also be used to decontaminate a tank containing lower levels of PCB contamination. However, that level of decontamination is generally not necessary unless the PCB contamination was due to a TSCA PCB source. Please refer to 40 CFR Part 761.79 for more information.

The first step of decontamination is a thorough rinsing/flushing of the tank with diesel fuel (kerosene may also be used). The tank must be rinsed a minimum of three times. Each rinse must use a volume of diesel equivalent to approximately 10 percent of the container capacity.

Following the tank rinsing, swab samples must be taken of the tank inlet and outlet piping. Take inlet/outlet swabs in a circular sweep of the tube using a gauze pad treated with hexane. The inlet/outlet swabs can be composited into one sample for analysis.

Swab samples must also be taken from the main part of the tank. For swab sampling of a tank, the tank is divided into six sections: north wall, south wall, east wall, west wall, floor, and ceiling. For each section, a template of approximately 10cm x 10cm grid is used to identify sample locations. A gauze pad treated with hexane is used for swiping each point within the sample grid. Each swipe taken within a section is composited for PCB analysis. A total of six composite samples will be needed for the tank swabs.

The tank is considered to be decontaminated if all swipe sample results are below $10\mu g/100cm2$. If any results are above $10\mu g/100cm2$, the tank must be rinsed and reswiped until all results are below the $10\mu g/100cm2$ limit.

Certification of proper swab sampling for PCB contaminated oil:

By my signature below, I certify that swab sampling was performed as outlined above.

Facility Representative

4/27/09 Date



Analysis Report Form
Sample Identification: swab samples Contact Person: Harry Umbinetti Seattle Lab ID#:090425.0F (1-7)

NOTE: All units are in ug/100cm2 unless otherwise specified

Parameter: PCB* wipe test

*Aroclors screened: Aroclors 1242/1248/1016/1232, Aroclor 1254 and Aroclor 1260

By Method 8082

Samples are run on a Hewlett Packard 5890 Gas Chromatograph

Project Description: PCB wipes for container #LS1 decon.

Qual	lity	Control

Sample	Results	MDL	Surrogate re	ecovery (decachlorobiphenol):
North Wall	ND	10.0 ug/10	00cm2	86%
South Wall	ND	10.0 ug/10	00cm2	81%
East Wall	ND	10.0 ug/10	00cm2	87%
West Wall	ND	10.0 ug/10	00cm2	78%
Overhead	ND	10.0 ug/10	0cm2	85%
Floor	ND	10.0 ug/10	00cm2	80%
Inlet/Outlet	ND	10.0 ug/10	00cm2	80%

Analyst: L. Embrey

Date:4-25-09

45843 Please print or type. (Form design DI2300824 ned for use on elite (12-oitch) typewriter.) Form Approved, OMB No. 2059-8639 1. Generator ID Number UNIFORM HAZARDOUS st Tracking Number 002570965 WASTE MAMFEST WADOS8367152 -800-424-9300 UUZ 5. Generalo's Name and Marting Address EMERALD SERVICES INC - AIRPORT W EMERALD SERVICES INC - AIRPORT WAY 7343 E MARGINAL WAY SOUTH 1500 AIRPORT WAY S SEATTLE, WA 98134 6 Dansporter (Company Mars) 832 3093 U.S. EPA ID Number 7, Paraporal 2 Company Maine WADOERSEAGA? U.S. EPAID Number 8. Designated Facility Name and Site Address: I S FPA ID Nurther CLEAN HARBORS (ARAGONITE), LLC 11600 N. APTUS ROAD, EXIT 56 UTD981552177 s Phone: ARAGONITE, UT 84029

50. U.S. DOT Description (motering Proper Shipping Name, Hazard Class, ID Number, 10. Containers tf Total and Packing Group (If any) 13. Waste Codes HM Quantity WE AND! Type NA3082, RQ, Hazardous waste, liquid, n.o.s.(LEAD, POLYCHLORINATED BIPHENYLS), 9, DOOR TOPA X 29872 K 11 79-111, RQ41, ERG#171 a. Special Handling last regions and Adultional to OSO 4. 24/D9 CONTAMINATED REPORT ANY 'RQ' DISCHARGE TO NATIONAL RESPONSE CENTER 800-424-880Z, AND 911 EMERGENCY NUMBER OR LOCAL OPERATOR. GENERATOR CONTACT: LESLIE EMBREY Met-352-00 WITH PCB'S >500 PPM to. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the content of the content of the property described above by the property of t marked and lebeled placerded, and are in all respects in proper condition for barraport according to applicable international and national governmental regulations. If export physical and I are the Primary Exporter, I cartify that the contents of this consignment conform to the terms of the affected EPA Advisored eigenent of Consent. Locally that the waste minimization statement identified in 40 CFR 202.27(a) (if I am a sage quantity generator) or (b) (if I am a small quartity generator) is true. Generalors/Ulleror's Printed Typed Name Day Susan Diamond Lamono 104124109 6. International Shipmens Import to U.S. Export from U.S. Parl of entrylexit: Transporter signature (for exports only): Date learning U.S.: 17. Transporter Acknowlengment of Record of Malerials Transporter | Printed Typed Name historia. Day 1 im Zimon 18. Discrepency 18a. Discrepancy Indication Space Quartity Type Residue Pertial Rejection Full Rejection Manifest Reference Number 180. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generator) Manth Day 19. Hazardous Waste Report Menagement Method Codes (i.e., codes for hazardous waste transment, disposal, and recycling systems) 20. Designated Facility Owner or Operator. Certification of receipt of hazardous metalials convered by the manifest except as noted in from 193 Printed Typed Name EPA Form 8700-22 (Rev. 3-05). Previous editions are obsolete

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)



Waste Tracking Detail Report

Manifest Number 002570965FLE

CLHB Receiving Facility: Aragonite, UT Facility

CLHB Generator ID: EM9274 Emerald Recyling Services Seattle WA 98134

Manifest Number: 002570965FLE

Mnfst. Doc. No:

Generator EPA Id:

WAD058367152

Gen. Sign. Date: Date Recyd:

4/24/2009 4/29/2009

Work Order: Line: 1

Site

DI2311389

Profile No: CH144002B

Manifested Cntnrs: 1 TT

Total Qty:

29872

Inbound Mgt Method Code

K

Tracking No: 18191685

Code: DH3

Wgt: **Manifest No**

Wgt UOM: 63860 Activity

LBS

Activity Date

Final Mgt Method Code

Aragonite, UT Facility

Incineration

5/5/2009

H040



Certificate of Treatment / Disposal - Storage and Transfer

Run Date: 6/11/2009

Manifested To Site: Aragonite, UT Facility

11600 North Aptus Road

Grantsville, UT 84029

EPA ID: UTD981552177

Manifest No.

Generation Date Received Date

002570965FLE

4/24/2009

4/29/2009

The above described waste, received at the Clean Harbors facility listed above pursuant to the manifest(s) listed above, has been treated and/or disposed of by Clean Harbors, or another licensed facility approved by Clean Harbors, in accordance with applicable federal and state laws and regulations. Any waste received by Clean Harbors and subsequently shipped to another licensed facility has been or shall be identified as being generated by Clean Harbors in accordance with 40CFR 264.71(c).

Under civil and criminal penalties of law for the making of submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

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Paul 1. millo

Date: 6/11/2009

Title:

Director Facility Applications

PI 2322723

UNIFORM HAZARDOUS		0.7.4.4	A F	- PM	4. Manifest	Tonneline M			
WASTE MANIFEST	1. Generator fD Number WADO 58367152		3. Emergency Respons 1-800-424-9				503	6 J	JK
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. 73 SE Generalor's Phone: (2	43 E MARGINAL WAY SOUT ATTLE, WA 98108 06) 832-3093	H	1500 AIRPOR						
Transporter 1 Company Nar	RVICES, INC.			d na	U.S. EPAID	tumber	WADO:	83646	47
. Transporter 2 Company Nar		The same of the same			U.S. EPAID	Aumber			0.8
Clean	HARBORS GNUTO.	. SKUSS			U.S. EPAID		313	222	92
AR	nd Ste Address EAN HARBORS (ARAGONITE 600 N. APTUS ROAD, EXI AGONITE, UT 84029 35) 884~8100), LLC T 56			I.	Miles	UTD98	315521	77
THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	ion (including Proper Shipping Name, Hazard Class, any))	ID Number,	10. Conta No.	iners Type	15. Total Quantity	12. Unit WLAGL	13.	Waste Code	s
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3N3432. RQ	, POLYCHLORINATED BIPHE RQ=1, ERG#171	ENYLS, SOLID		DM	24	к	8000	TSCA	
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e print or type. (Form designed for use on elite (12-pitch) typewriter.) UNIFORM HAZARDOUS WASTE MANEEST 21. Generator ID Number (Continuation Short)	22. Page		fest Tracking No		7/ -	-	2050
(Continuation Sheet) WAD 058367152 M. Generator's Name Emeral & Services Fine	12	100	141	30.	ال عاد	311	
75 Tenerouter 'S Connenu bisma / — —			U.S. EPA ID				Mark.
25. Transporter 3 Company Name SCT EXPESSELLY			JUTI		2000	7708	3
26. Transporter Company Name			U.S. EPA ID	Number			
27a. 27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,	28. Conta	inore	29. Total	30. Unit			Vá e
M and Packing Group (if any))	No.	Туре	ALTONIA PORTAL				
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2. Special Handling Instructions and Additional Information							
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3. Transporter Acknowledgment of Receipt of Materials rinted/Typed Name Signature	, ,	/				#h C=-	
Joh Waviason 1/16	mod	Sign	~		Mor		10
4. Transporter Acknowledgment of Receipt of Materials	//	ayo.					-
rintedTyped Name // Signature					Ma	th Day	. Y
5. Discrepancy						1	_
5. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposet, and r	ecycling systems)		AND THE RESERVE				
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Waste Tracking Detail Report

Manifest Number 001415036JJK

CLHB Receiving Facility: Aragonite, UT Facility

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Line: 1 Profile No:	CH144002B Manifested Cnt	tnrs: 3 TP	Total Qty: 2	2960	K Inbound M	gt Method Code	
Tracking No: 18282045 Site Aragonite, UT Facility	Code: DH3 Wgt: 2207 Manifest No	Wgt UOM: Activity Incineration	LBS		Activity Date 5/31/2009	Final Mgt Method	Code
Tracking No: 18282046 Site Aragonite, UT Facility	Code: DH3 Wgt: 2095 Manifest No	Wgt UOM: Activity Incineration	LBS		Activity Date 5/31/2009	Final Mgt Method H040	Code
Tracking No: 18282047 Site Aragonite, UT Facility	Code: DH3 Wgt: 2152 Manifest No	Wgt UOM: Activity Incineration	LBS		Activity Date 5/31/2009	Final Mgt Method H040	Code
Line: 2 Profile No: Tracking No: 18282705 Site Aragonite, UT Facility	CH150552 Manifested Cnt Code: CHSI Wgt: 54 Manifest No		Total Qty:	12 k	Inbound M Activity Date	lgt Method Code Final Mgt Method	Code



Certificate of Treatment / Disposal - Storage and Transfer

Run Date: 6/11/2009

Manifested To Site:

Aragonite, UT Facility

11600 North Aptus Road

Grantsville, UT 84029

EPA ID:

UTD981552177

Manifest No.

Generation Date Received Date

001415036JJK

5/4/2009

5/14/2009

The above described waste, received at the Clean Harbors facility listed above pursuant to the manifest(s) listed above, has been treated and/or disposed of by Clean Harbors, or another licensed facility approved by Clean Harbors, in accordance with applicable federal and state laws and regulations. Any waste received by Clean Harbors and subsequently shipped to another licensed facility has been or shall be identified as being generated by Clean Harbors in accordance with 40CFR 264.71(c).

Under civil and criminal penalties of law for the making of submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

SI	g	n	e	d	:

Paul 1. mills

Date: 6/11/2009

Title:

Director Facility Applications